Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

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Deputy Minister

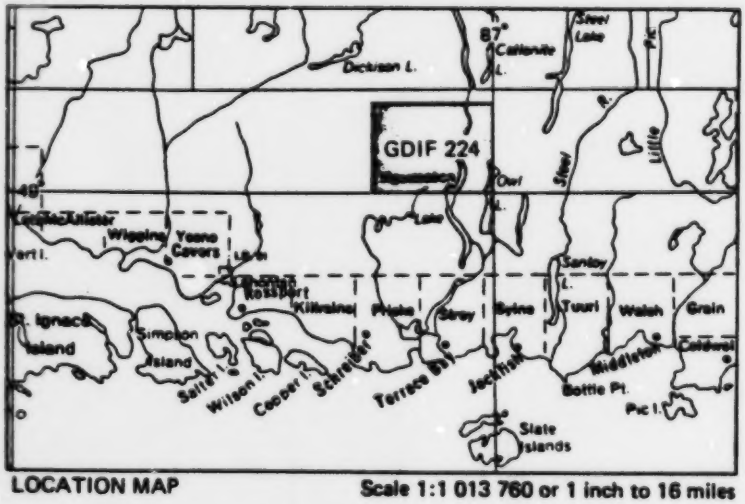
ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO
GDIF 224

# UPPER AGUASABON LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay




LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-1428/

NTS Number 42 E 3/SE

Mining Claim Map Number Upper Aguasabon Lake Area G-617

This project was funded by the Ministry of Northern Affairs (MNA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Upper Aguasabon Lake Area, District of Thunder Bay; Ontario Geological Survey; Geological Data Inventory Folio224 ; compiled by the staff of the Resident Geologist's Office, Thunder Bay; 18 pages and 2 maps.

Original Compilation by: P. Perry

| Date | Page Revised | Revised by |
|---|---|---|
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| Date | Page Revised | Revised by |
|---|---|---|
| | | |

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## ACCOMPANYING MAPS

Property Location Map - 1

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Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

**If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:**

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | **LENGTH** | | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | **AREA** | | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.76 3 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | **VOLUME** | | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | 0.764 555 | $m^3$ |
| | | **CAPACITY** | | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | **MASS** | | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | 31.103 476 8 | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | 907.184 74 | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | 1016.046 908 8 | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | 1.016 046 908 8 | t |
| | | **CONCENTRATION** | | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

**One gram(g) per tonne is equivalent to one part per million (1 ppm).**

**NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.**

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | YES | P. JAN./85 |
| 2 | Assessment Files Research Office, Toronto | YES | P. JAN./85 |
| 3 | ODM General Index; 7 volumes | YES | P. JAN./85 |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | YES | P. JAN./85 |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | YES | P. JAN./85 |
| 6 | ODM Industrial Mineral Reports | NO | P. JAN./85 |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | N.A. | P. JAN./85 |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | YES | P. JAN./85 |
| 9 | Newspaper Clippings File | YES | P. JAN./85 |
| 10 | GSC Index to Publications | YES | P. JAN./85 |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | YES | P. JAN./85 |
| 12 | OGS Index Maps | YES | P. JAN./85 |
| 13 | Source Mineral Deposit Records (O.G.S.) | PARTIAL | P. JAN./85 |
| 14 | Author - Subject Articles File | YES | P. JAN./85 |
| 15 | Miscellaneous Papers: ODM & OGS | YES | P. JAN./85 |
| 16 | ODM Geological Circulars: OGS Study Series | YES | P. JAN./85 |
| 17 | ODM Preliminary Reports: ODM Bulletins | YES | P. JAN./85 |
| 18 | ODM – OGS Open File Reports | YES | P. JAN./85 |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | YES | P. JAN./85 |
| 20 | OGS Aggregate Resources Inventory Papers | N.A. | P. JAN./85 |
| 21 | OGS Mineral Potential Maps | YES | P. JAN./85 |

# METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna. . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- △ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . Zinc
- △ zr . . . . . Zircon

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

UPPER AGUASABON LAKE AREA

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Gray Occurrence[1] | Au | | MRC 13, p. 301 | OGS 1964, GR 27, pp. 34-35 |
| B | Canabel Occurrence (Heron Lake) | Ag, Zn | | MRC 12, p. 348 | OGS 1964, GR 27, p. 24 |

Notes:

1. Also plotted on Rope Lake Sheet - 42 E 3/SW.

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 1 | Burrex Mines Limited | | | | | | | | | | | | | | | 59[1] | | | | |
| 2 | Ciglen, S. (South Pine Lake Group) | 52 | | | | | | | | | | | | | | | | | | |
| 3 | Corporation Falconbridge Copper F.N.: 2.5394 | | | | | | | | 82[2] | | | | | | | | | | | |
| 4 | Corporation Falconbridge Copper F.N.: 2.5394, 2.6770 | | | | | | | | 82[2] | | | 84[4] | 84[4] | | | | | | | |
| 5 | Corporation Falconbridge Copper F.N.: 2.6047 | | | | | | | | | 82[2] | | | | | | | | | | |
| 6 | Corporation Falconbridge Copper F.N.: 2.6769, 2.6770 | | 84[2] | | 84[3] | | | | | | | 84[4] | 84[4] | | | | | | | |
| 7 | Golden Range Resources F.N.: 2.6194 | | | | | | | | 83 | 83 | | | | | | | | | | |
| 8 | Kennco Explorations (Canada) Limited F.N.: 2.649 | | | | | | | | | 71[4] | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | PROPERTY REPORT | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 9 | Kennco Explorations (Canada) Limited F.N.: 2.1221 | | | | | | | | | | | 71[4] | 71[4] | | | | | | | |
| 10 | Lacana Mining Corporation/ Flintrock Mines Limited F.N.: 2.5683, 2.5693, 2.5710 | | | | | | | | 83[3] | 83[3] | | | | | | | | | | |
| 11 | McDonough, Joseph | | | | | | | | | | | | | | | | | 54[3] | | |
| 12 | Noranda Exploration Company Limited F.N.: 2.5763 | | | | | | | | 83[4] | 83[4] | | | | | | | | | | |
| 13 | Noranda Exploration Company Limited F.N.: 2.5952 | | | | | | | | 83[4] | | | | | | | | | | | |
| 14 | Selco Mining Corporation Limited F.N.: 2.2959 | | | | 79 | | | | | | | 79 | 79 | | | | | | | |
| 15 | United Montauban Mines Limited F.N.: 63.535 | | | | | | | | | | | | 54[2] | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 16 | Valmont Mining Exploration Limited (Canabel Syndicate) F.N.: 63.942 | 57 | | | 58 | | | | | | | | 57[5] | | | | | | | |

Notes:

1. Map only - no report.
2. Filed 42 D 14/NW.
3. Filed 42 E 3/SW.
4. Filed 42 D 14/NE.
5. Probably vertical loop.

GDIF FORM NO. 2

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (metres) | Total Length of Hole (metres) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Corporation Falconbridge Copper | BD-6 | March/84 | 180° | -55° | 3.2 | 108.0 | py, po, ep, cp | |
| 2 | " " | BD-8 | " | 180° | -50° | 2.7 | 117.0 | py, po, sp, cp, mag, gt | |
| 3 | " " | BD-9 | " | 180° | -50° | 3.0 | 120.0 | py, gt, ep, sp, po | |
| 4 | Selco Mining Corporation Limited | 227-13-1 | March/79 | 030° | -50° | 23.16 | 111.86 | py, gf | |
| | | | | | | (feet) | (feet) | | |
| 5 | Valmont Mining Exploration Limited | 1 | Oct./58 | 180° | -45° | 2.0 | 200.0 | po, py, gt | Au, Ag, Cu, Pb, Zn |
| 6 | " " " | 2 | " | 165° | -60° | 1.0 | 205.0 | po, py, gt | Au, Ag, Cu, Pb, Zn |
| 7 | " " " | 3 | " | 170° | -70° | 2.5 | 197.0 | gt, gf, py, qcv | Au, Ag, Cu, Pb, Zn |
| 8 | " " " | 4 | " | 160° | -70° | 1.5 | 202.0 | py, po, sp, cp, gf, gt, qcv | Au, Ag, Cu, Pb, Zn |
| 9 | " " " | 5 | " | 170° | -45° | 1.5 | 197.0 | py, po, sp, cp, gt, qcv | Au, Ag, Cu, Pb, Zn |

GDIF FORM NO. 3

# AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By / For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| 3 | Questor Surveys Limited<br>Corporation Falconbridge Copper<br>F.N.: 2.5394 | Magnetic. | 122 metres | NW/SE | 200 metres |
| 4 | Questor Surveys Limited<br>Corporation Falconbridge Copper<br>F.N.: 2.5394 | Magnetic. | 122 metres | NW/SE | 200 metres |
| 5 | Questor Surveys Limited<br>Corporation Falconbridge Copper<br>F.N.: 2.6047 | Electromagnetic. | 122 metres | NW/SE | 200 metres |
| 7 | Aerodat Limited<br>Golden Range Resources<br>F.N.: 2.6194 | Magnetic, electromagnetic, VLF-E.M. | 60 metres | North/South | 100 metres |
| 8 | Lockwood Survey Corporation Limited<br>Kennco Explorations Limited | Electromagnetic. | 200-250 feet | NE/SW | 1000 feet |
| 10 | Dighem Limited<br>Lacana Mining Corporation/<br>Flintrock Mines Limited | Magnetic, electromagnetic. | 50 metres | North/South | 250 metres |
| 12 | Questor Surveys Limited<br>Noranda Exploration Company Limited<br>F.N.: 2.5763 | Magnetic, electromagnetic. | 120 metres | North/South | 250 metres |
| 13 | Questor Surveys Limited<br>Noranda Exploration Company Limited<br>F.N.: 2.5952 | Magnetic. | 120 metres | North/South | 250 metres |

GDIF FORM NO. 4

| Map Sample Site Reference Number | GEOCHEMICAL SURVEY DATA | | By | Reference |
|---|---|---|---|---|
| | Type of Survey | Analysis For | | |
| 1 | Lithogeochemical | Zn | Corporation Falconbridge Copper<br>F.N.: 2.6769 | Resident Geologist's Assessment Files, Thunder Bay |

GDIF FORM NO. 5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Corporation Falconbridge Copper

Flintrock Mines Limited

Golden Range Resources

Lacana Mining Corporation

Noranda Exploration Company Limited

Selco Mining Corporation Limited

Valmont Mining Exploration Limited

# ODM GENERAL INDEX SEARCH

**Words searched:** Aguasabon Lake & River - Upper & Lower, Burrex Mines Limited, Canabel Occurrence (Big Duck Lake Area), Canabel Syndicate, Gray Occurrence (Big Duck Lake Area), Heron Lake, Kenewabic Lake, Owl Lake, Southpine Lake, Stingray Lake, Tossacoin Lake

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 3 | Aguasabon Lake, North of Schreiber | | | |
| | Geology of area, report on, by M. W. Bartley | 49 | 1 | 1-11 |
| | Aguasabon* River, Lake Superior (*or Black) | | | |
| | Power sites on | 49 | 7 | 3 |
| | Rocks | 47 | 9 | 5 |
| | Sand and gravel, notes and photo | 47 | 9 | 30, 36 |
| | Owl Lake, Northwest of Jackfish | | | |
| | Canoe route to | 47 | 9 | 31 |
| | Molybdenite claim | 47 | 9 | 39, 40 |
| 5 | Burrex Mines Limited | | | |
| | Change of name | 64 | 1 | 60 |
| 7 | Gray Gold Deposit, Big Duck Lake | | | |
| | Report on | GR 27 | | 34 |
| 8 | Aguasabon River | | | |
| | Dickison Lake area, Thunder Bay District | GR050<br>GR123 | | 30<br>7, 15, 16 |
| | Owl Lake | | | |
| | Cairngorm Lake area, Thunder Bay District passim | GR050 | | 3-35 |
| 9 | Aguasabon River | | | |
| | Schreiber area, Thunder Bay District | NOTS059 | | 8, 9 |



GDIF FORM NO. 8

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL GEOLOGICAL COMPILATION MAPS | | |
| Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W. | 1971 | Ontario Geological Map, West Central Sheet. | ODMNA Map 2199 | 1 inch to 16 miles |
| Pye, E. G. | 1968 | Nipigon-Schreiber, Thunder Bay District, Ontario; Geological Compilation Series. Associated maps: 2137, P-357, P-358, P-360. | ODM Map 2232 | 1 inch to 4 miles |
| | | GEOLOGICAL MAPS AND REPORTS | | |
| Bartley, M. W. | 1938 | The Northeastern Part of the Schreiber Area, Thunder Bay District, Ontario. Accompanied by map 47J. Associated report PR 1937-2. | ODM AR Vol. 47, Pt. 9 | pp. 29-40 2 inches to 1 mile |
| Bartley, M. W. | 1940 | Geology of the Big Duck-Aguasabon Lakes Area, Thunder Bay District, Ontario. Accompanied by map 49K. Associated report PR 1939-7. | ODM AR Vol. 49, Pt. 7 | pp. 1-11 2 inches to 1 mile |
| Bell, R. | 1872 | Report on the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario. | GSC Report of Progress 1870-1871, Pt. 8 | |
| Carter, M. W. | 1975 | Geology of the Dickison Lake Area, NTS 42 E/SW, Thunder Bay District, Ontario. Accompanied by map 2293. Associated map P-690. Associated report OFR 5076. | ODM GR 123 | 1 inch to 1 mile |
| Carter, M. W. | 1982 | Precambrian Geology of the Terrace Bay Area, Northeast Sheet, NTS 42 D 14/NE, 42 E 3/SE, Thunder Bay District, Ontario. | OGS Map P-2557 | 1:15,840 |

GDIF FORM NO.9

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Carter, M. W. | 1982 | Precambrian Geology of the Terrace Bay Area, Northwest Sheet, NTS 42 D 14/NE, 42 E 3/SE, Thunder Bay District, Onario. | OGS Map P-2567 | 1:15,840 |
| GSC | 1935 | Lake Nipigon Sheet, Ontario. | GSC Map 308A | 1 inch to 8 miles |
| Hopkins, P. E. | 1921 | Schreiber-Duck Lake Area, Thunder Bay District, Ontario. Accompanied by map 30A. | ODM AR Vol. 30, Pt. 4 | pp. 1-26<br>1 inch to 1 mile |
| Parks, W. A. | 1902 | The Country East of Nipigon Lake and River. | GSC AR Vol. 14, Pt. A | pp. 105-109 |
| Tanton, T. L. | 1921 | Nipigon-Schreiber District, Ontario. | GSC Summary Report 1920, Pt. D | pp. 2-7 |
| Walker, J. W. | 1967 | Geology of the Jackfish-Middleton Area, District of Thunder Bay, Ontario. Accompanied by maps 2107, 2112. | ODM GR 50 | 2 inches to 1 mile |
| Wilson, W. J., Collins, W. H. | 1909 | Geological Reconnaissance of a Portion of Algoma, and Thunder Bay Districts, Ontario, and Report on the Region Lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario. Accompanied by map 964. | GSC Separate Report 980 and 1081 | |

GDIF FORM NO.9

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | GEOPHYSICAL MAPS AND REPORTS | | |
| ODM - GSC | 1963 | Aeromagnetic Map, Dickison Lake (42 E/3). | GSC Map 2140G | 1:63,360 |
| ODM - GSC | 1965 | Aeromagnetic Map, Longlac (42 E). | GSC Map 7102G | 1 inch to 4 miles |
| ODM - GSC | 1970 | Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario, Aeromagnetic Compilation Map. | ODM Map P-570 | 2 inch to 16 miles |
| | | GEOCHEMICAL MAPS AND REPORTS | | |
| GSC | 1981 | National Geochemical Reconnaissance coloured Compilation Map Series; Lake Superior, Ontario. | GSC - OFR 746 | 1:2,000,000 |
| GSC - OGS | 1978 | Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry, Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District. Accompanied by maps P-1805 to P-1818. | GSC - OGS - OFR 5248 | |
| | | MINERAL POTENTIAL MAPS | | |
| Springer, J. S. | 1978 | Ontario Mineral Potential, Longlac Sheet, NTS 42 E, Thunder Bay and Cochrane Districts, Ontario. | OGS Map P-1527 | 1:250,000 |
| Springer, J. S., et al | 1982 | Mineral Potential Map of Ontario, West Central Sheet, NTS 41/NW, 42/W, 43/SW, 52, 53/SE. | OGS - OFR 5326 | |

GDIF FORM NO.9

87° 15'

49° 07' 30"

Little Aquasabon R.

Tossacoin L.

Aquasabon R.

8

10

10

5

4

87° 00'

49° 07' 30"

Kenewabik

L.

Diversion

Lake

Owl

Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

**PROPERTY LOCATION MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 224**

( Map 1 of 2 )

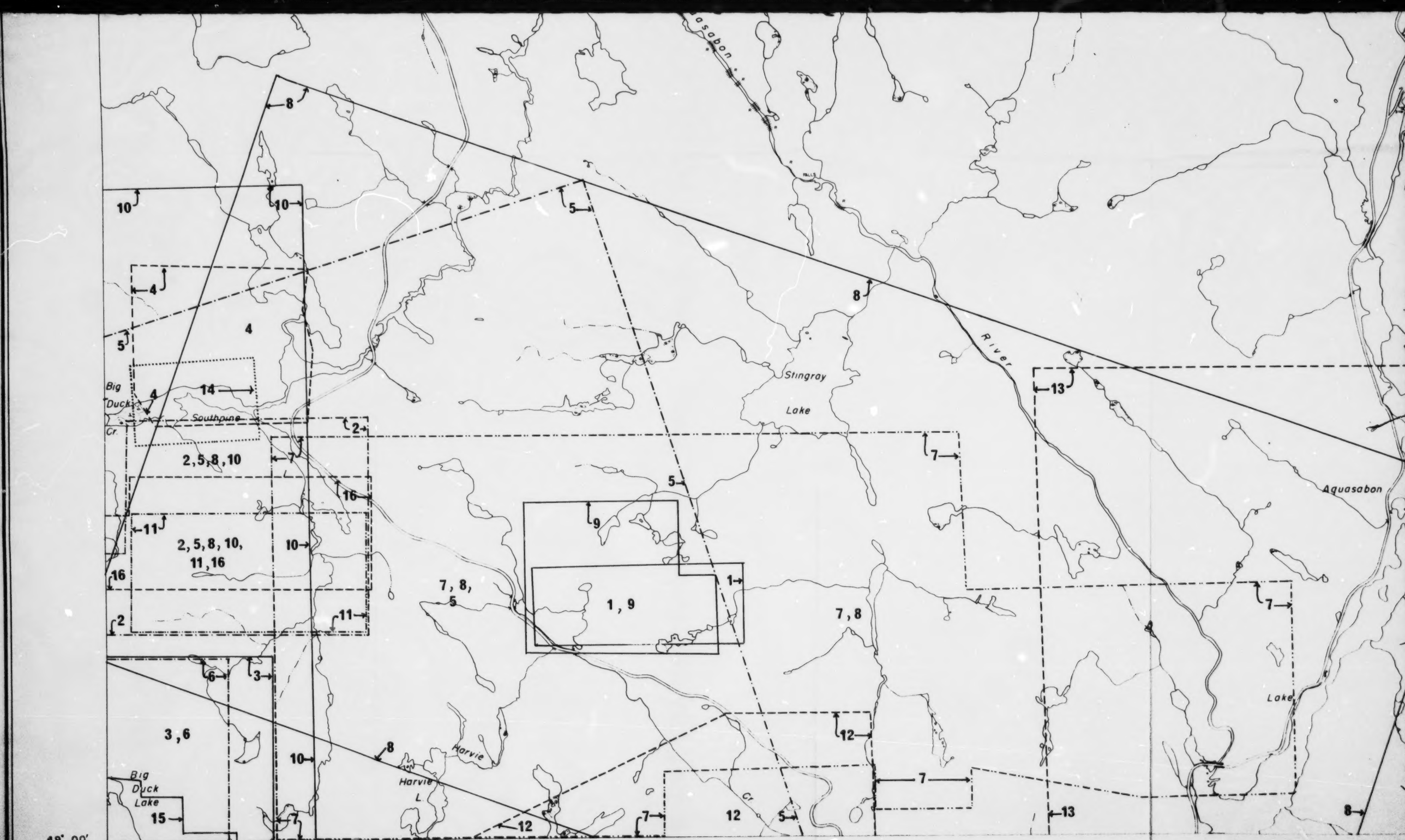
# UPPER AGUASABON LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre


Aquasabon
River
Stingray
Lake
Big
Duck
Cr.
Southpine
Harvie
L
Harvie
Cr
Big
Duck
Lake
Aquasabon
Lake
2,5,8,10
2,5,8,10,
11,16
1,9
7,8,
5
7,8
3,6
12
4
14
15
13
16
11
9
1
6
3
49° 00'
87° 15'

Lake

Owl

13

13

13

Aquasabon

8

7

Lake

8

13

Owl

Lake

49° 00'

87° 00'

## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined.
See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

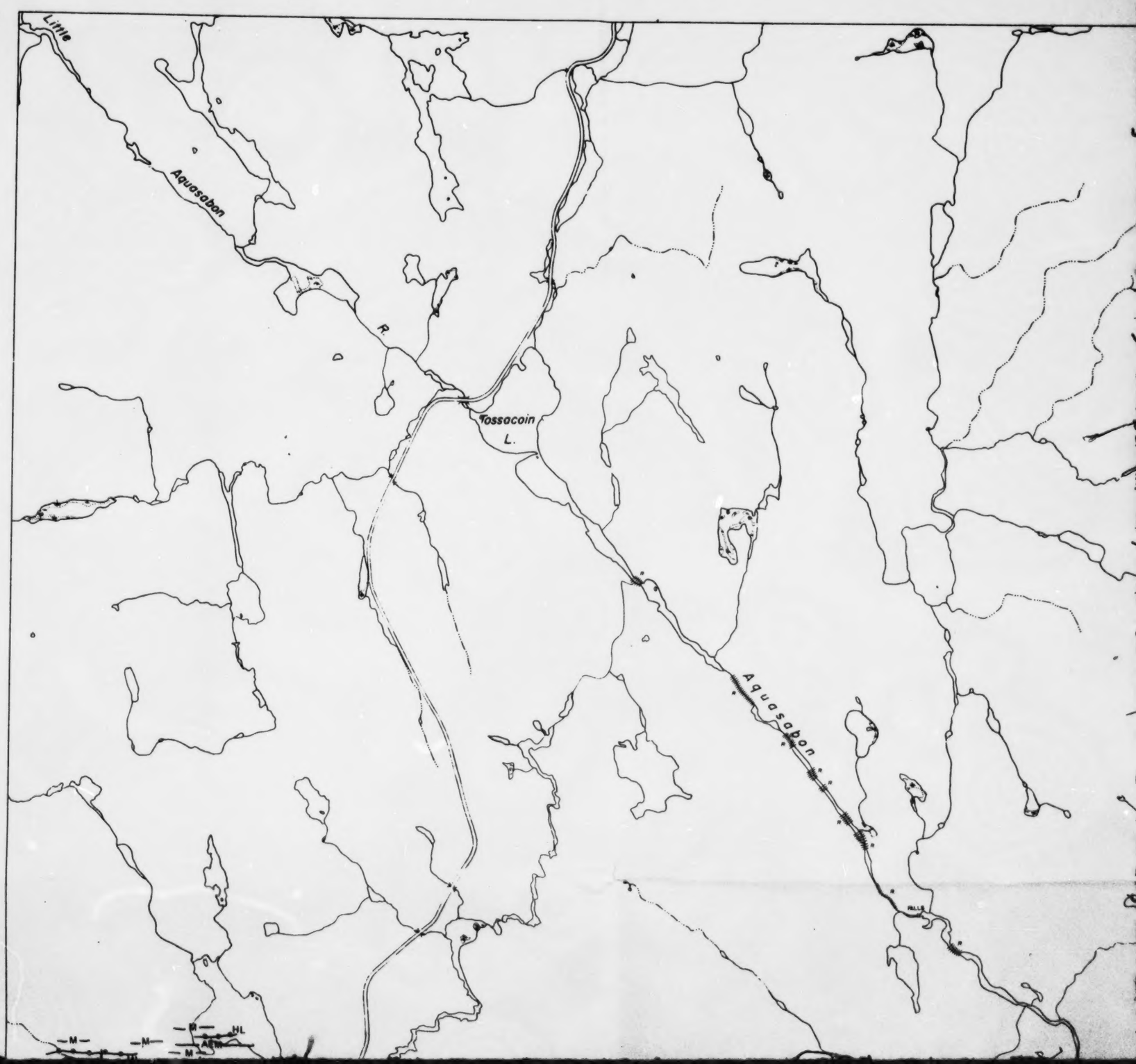
- ☐ Geochemical sample site, with reference number
- ■ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

- ■ AM — Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ■ M — Ground Magnetometer Anomaly
- ■ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☐ IP — Induced Polarization Anomaly
- ☐ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly

87° 15'

49° 07' 30"



R.

Tossacoin
L.

Aquasabon

Kenewabik
L.

Diversion
Lake

87° 00′

49° 07′ 30″

Kenewobik

L.

Diversion

Lake

Owl

Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

**EXPLORATION DATA MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 224**

( Map 2 of 2 )

# UPPER AGUASABON LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

Mineral occurrence at surface, with reference letter

Mineral occurrence with shaft, depth given with reference letter

Conductor Axis: definite, probable, possible

Airborne Radiometric Anomaly

Ground Magnetometer Anomaly

Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)

Ground Radiometric Anomaly

Induced Polarization Anomaly

Self Potential Anomaly

Audio-frequency magnetometer anomaly (total intensity)

Resistivity Anomaly

Gravity Anomaly

Airborne Electromagnetic Anomaly

Airborne VLF-EM Anomaly

**MISCELLANEOUS DATA**

Trenching, pit

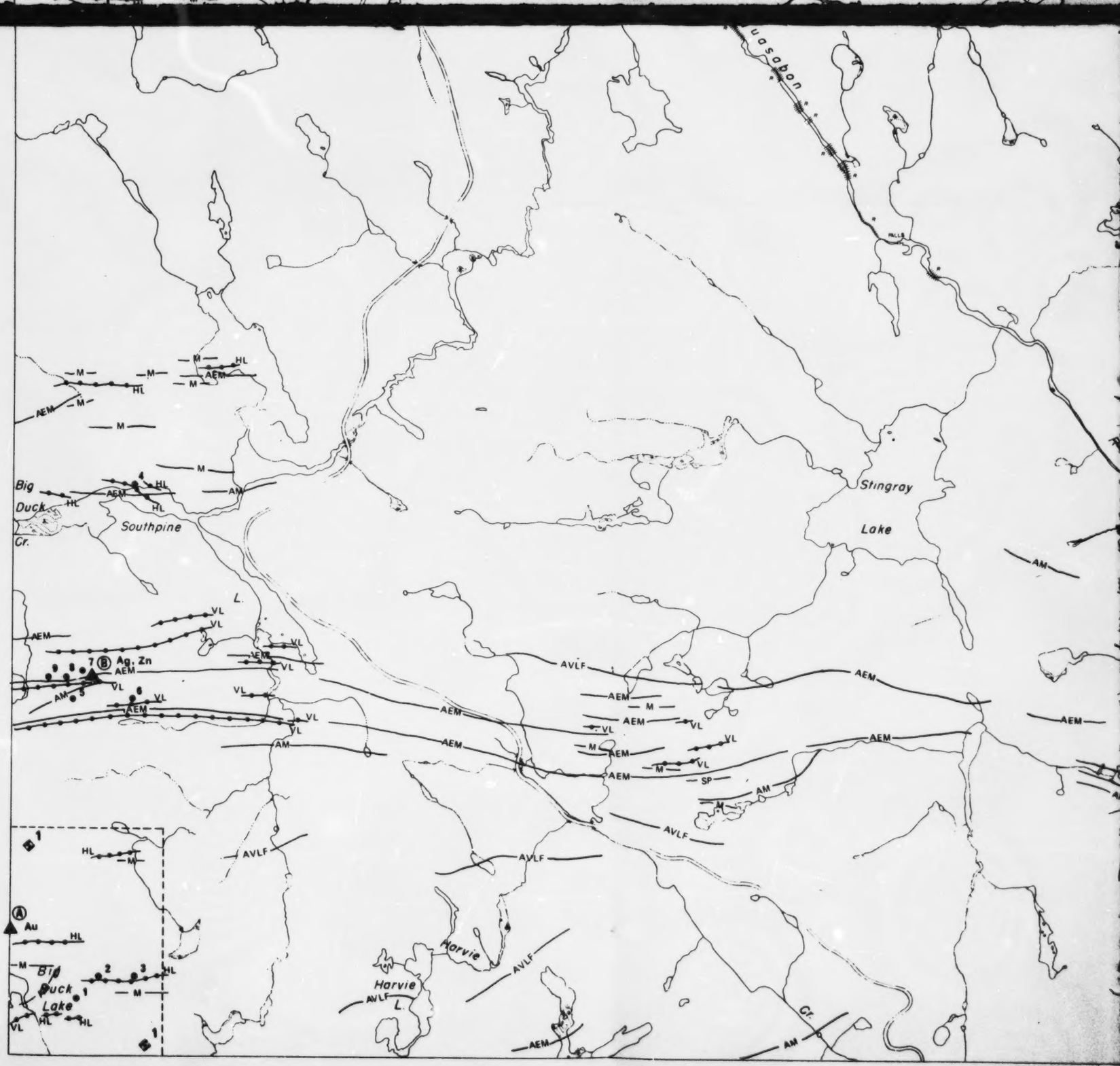
Adit

Open pit

Rock quarry

Sand and/or gravel pit

**NOTE:** Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Aquasabon

Lake

River

Stingray

Lake

Aquasabon

Lake

Owl

Lake

Gr.

AVLF

AEM

M

VL

SP

AM

49° 0

87° 00'

Lake

Owl

Aquasabon

AM

AM

Lake

AM

AEM

AEM

AEM

AEM

AEM

Owl

Lake

49° 00′

87° 00′

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- ☒ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ☐ Au ◪ A. 84′ — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag △ ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp ▬ A. — Mineralized Float with reference letter

### DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☐ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ ◡ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number